

Abstract Submitted
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Level Dynamics on a Negatively Curved Surface SALLY KOUTSOLIOTAS, Bucknell University, DAVID FARMER, American Institute of Mathematics — We study the energy levels of a free particle on a non-compact, negatively curved surface. Changes in the energy levels are studied as the surface is deformed, and comparisons are made to predictions from Random Matrix Theory. Special behavior is observed near points where the surface takes on extra symmetry.

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